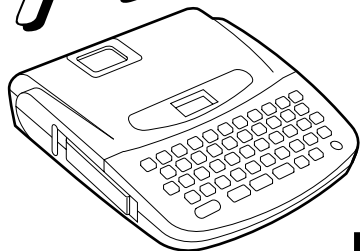


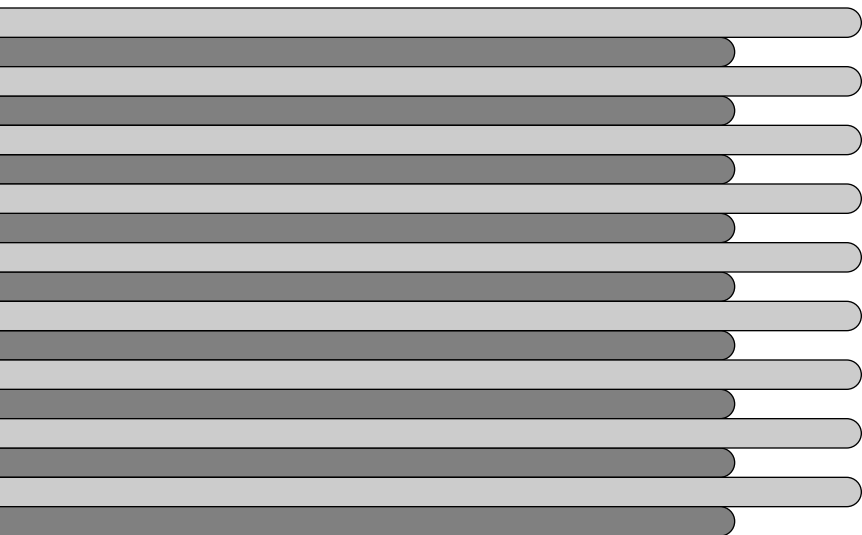
P-touch

TZ
TAPE



MODEL PT-1700

USER'S GUIDE



- Read this User's Guide before you start using your P-Touch.
- Keep this User's Guide in a handy place for future reference.

brother®

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INTRODUCTION

Thank you for purchasing the P-Touch 1700!

Your new P-Touch will allow you to design and print labels for any application. Since it is extremely versatile, you will be able to create characters of many sizes and styles. In addition, by using the variety of tape cassettes available, you can print labels with different widths and exciting colors.

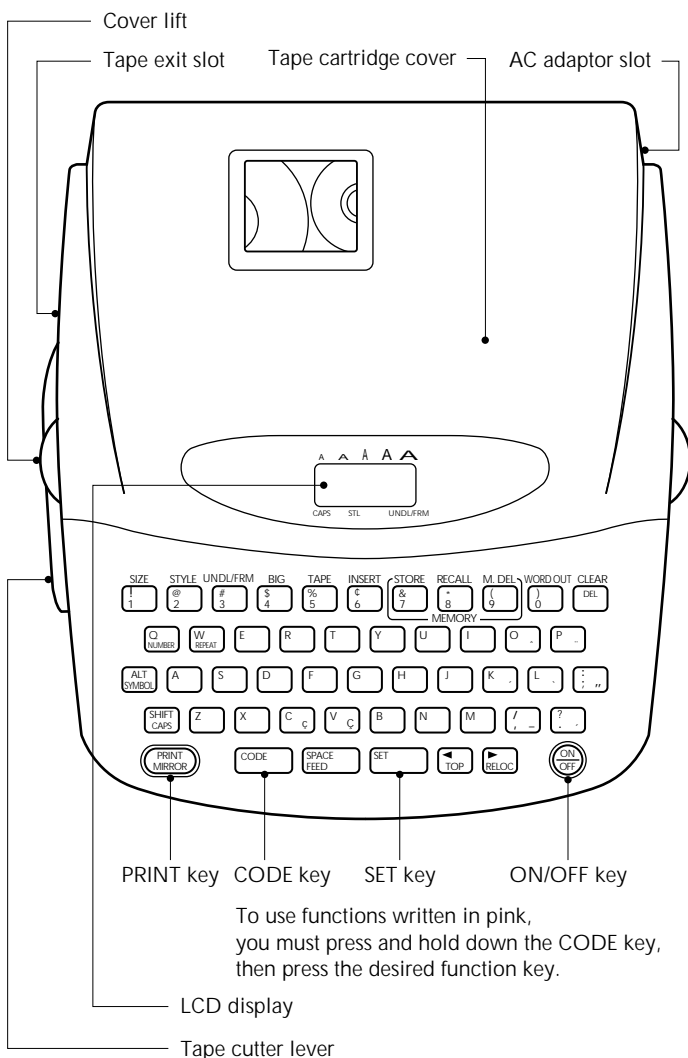
You no longer have to worry about urgent tasks that require professional printing. In the office, the factory, the lab and the home, the quality and performance of the P-Touch 1700 makes it a very versatile machine.

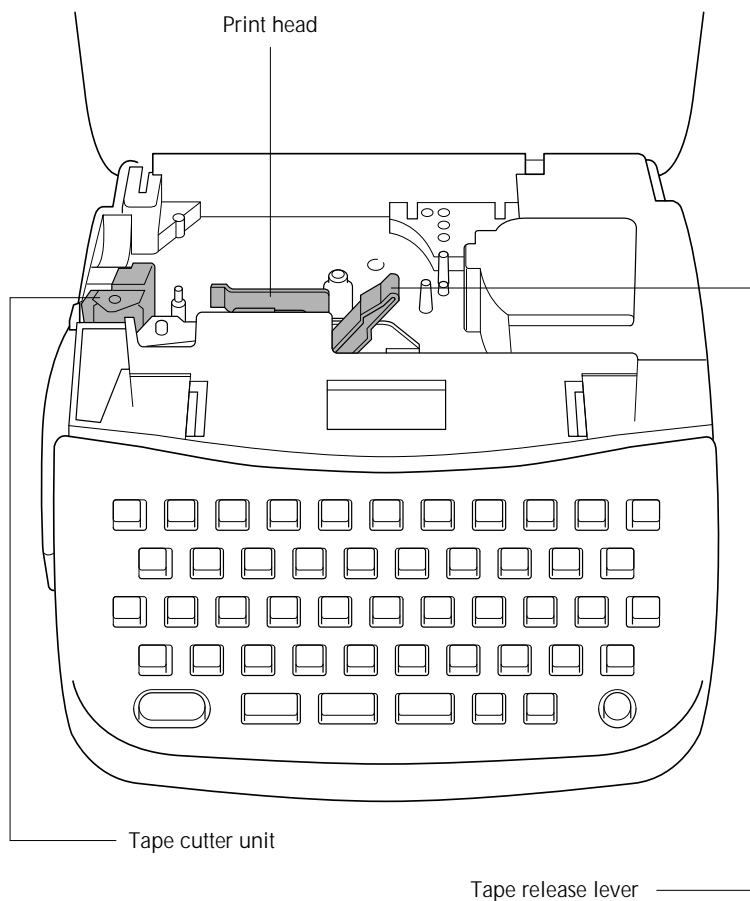
Finally, as you may want to refer to this manual occasionally, we suggest that you keep it in a handy place.

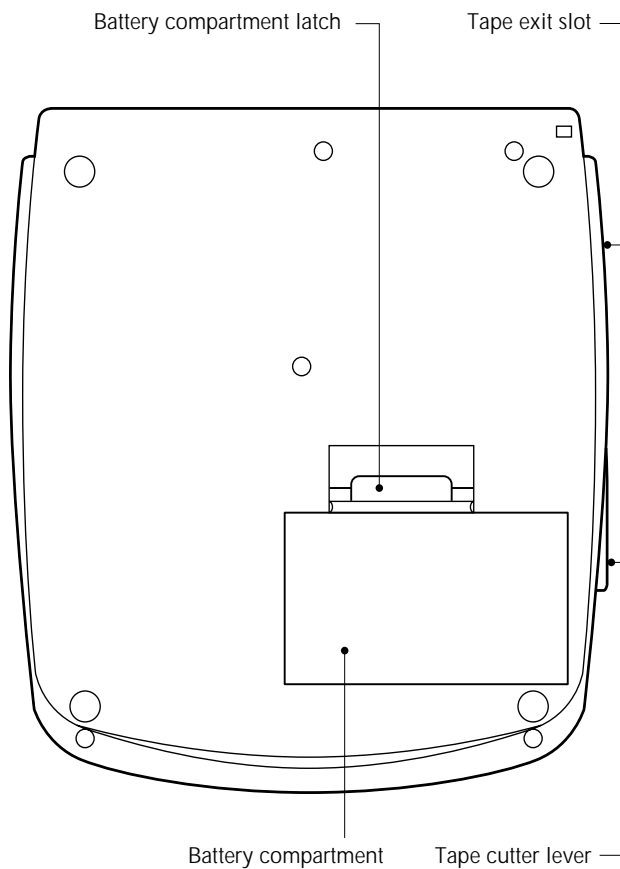
Canadian Department of Communications Compliance Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.


OVERVIEW







GENERAL PRECAUTIONS

- Use only Brother TZ tapes with this machine. Do not use tapes that do not have the  mark.
- Four different tape widths are available: 6 mm, 9 mm, 12 mm and 18 mm.
- Do not pull the tape. This may damage the tape cassettes.
- Do not clean the machine with alcohol or other organic solvents. Use only a soft, dry cloth.
- Remove the batteries and/or disconnect the AC adaptor if you do not intend to use your machine for an extended period of time.
(Note: When power is disconnected, any messages in the working area or the Message Memory area will be lost.)
- Do not put anything onto or into the machine.
- Do not expose the machine to high temperatures or high humidity. Never leave it on the dashboard or in the back of your car.
- Do not use the machine in dusty places. Keep it out of both direct sunlight and rain.
- Do not leave any rubber or vinyl on the machine for an extended period of time. Doing so may cause staining.
- After inserting a new tape cassette, advance the tape by holding down the **CODE** key and pressing the **FEED** key once.
- Do not touch the print head mechanism. If the head is touched, clean it immediately with a soft wipe (e.g. cotton swab) to avoid permanent damage.
- Use only the AC adaptor, MODEL AD-30 designed exclusively for this machine. Use of any adaptor will void warranty.

BEFORE YOU START

INSERTING A TAPE CASSETTE

Brother TZ tapes are only available in the following widths for this machine:
6 mm, 9 mm, 12 mm and 18 mm.

To insert a new tape cassette:

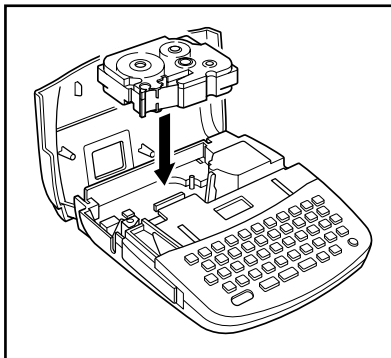
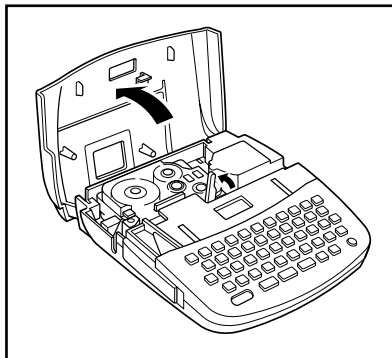
- (1) Lift the cassette cover so that you can reach the tape cassette easily. This will also release the installed cassette.
- (2) If there is a tape cassette already in the compartment, remove it by pulling it straight up.
- (3) Remove the stopper from a new tape cassette and if the tape is loose, use your finger to wind it in the direction of the arrow on the tape cassette until it is taut. If you are using a previous tape, ensure the tape is taut prior to inserting it into the unit.

Note: *Some tape cassettes are not provided with a stopper.*

- (4) Insert the tape cassette firmly into the compartment.
- (5) Shut the compartment cover.
- (6) Advance the tape by holding down the **CODE** key and pressing the **FEED** key once, then cut the tape.

Note: ● *When inserting a tape cassette, make sure that the inner ribbon does not get caught on the corner of the metal securing stand.*

- *The white lever (release lever) automatically locks when the cover is closed. If the white lever is manually operated, the cover can not be closed.*



INSERTING BATTERIES

The machine uses six "AA" size (AM3, LR6, SUM-3, R6) batteries.

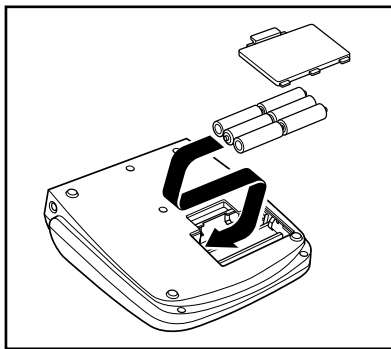
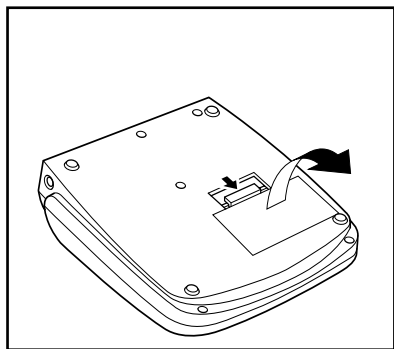
To insert batteries:

- (1) Turn the machine over. Remove the battery compartment cover by pinching the latch and lifting.
- (2) Follow the diagrams on the back of the compartment to insert the batteries in the proper direction.
- (3) After inserting the batteries, re-fit the battery compartment cover.

When "BATT" (Batteries Weak) is displayed, replace the six batteries.

- Alkaline batteries are recommended.

- An optional AC adaptor is available. (Model AD-30:7V, 1.2A)



Note:

- When replacing batteries, do so in three minutes or less. Otherwise, unless an optional AC adaptor is attached, any message in the working area or Phrase Memory will be lost.
- Note the following details when 1.2 V rechargeable NiCd batteries are used in this machine.
 - (1) "BATT" will not appear on the display when the rechargeable batteries are weak or empty. Instead, the power will turn off.
 - (2) Even after the batteries are recharged, the characters may not be printed clearly as a result of a low recharging efficiency or the operating conditions.

CHANGING THE CUTTER UNIT

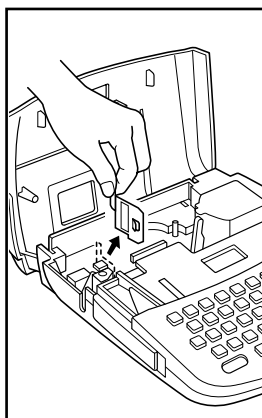
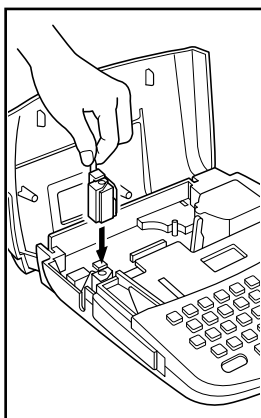
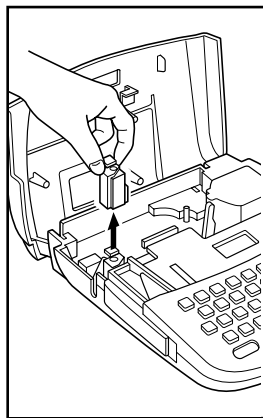
When the cutter is not cutting well, replace it with a new one.

To replace a cutter with a dull or broken blade:

- (1) Open the tape cassette compartment cover and carefully remove the tape cassette if it is installed.
- (2) Grasp the cutter with your fingers and pull it out.
- (3) Grasp the new cutter with the tab on the protective film and insert the cutter into the machine.
- (4) Remove the cutter's protective film.
- (5) Insert the tape cassette, then close the tape cassette compartment cover.

WARNING: *Be very careful not to cut yourself when replacing the cutter.*

Note: *The expected life of the unit's cutter is approximately 2000 cuts.*



CAUTION

- When changing the cutter unit, be sure not to touch the cutter blade.
- Make sure that small children do not try to put the cutter unit in their mouths.

STARTING

To start the machine:

Press the ON/OFF key.

The machine's internal memory retains the last message created, and displays it when you turn on the machine. This feature allows you to stop work on a message, turn off the machine, and return to it later without having to re-enter the message.

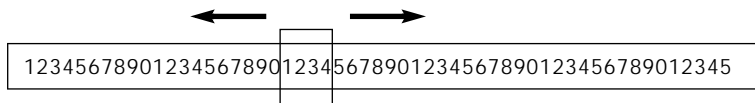
The machine has an automatic power down feature. If the machine is on, but is not used for five minutes, it will automatically shut off. The message will be retained in memory until the machine is turned on again.

CREATING A MESSAGE

DISPLAY

You are now ready to create a message on the machine.

The machine's LCD display is four characters wide. Actually though, you can create messages up to 55 characters in length. The four-character display is like a window which moves across your message.



MOVING THE CURSOR

You can review and edit different parts of your message by moving the cursor backward and forward.

To move the cursor through your message:

Press the ◀ and ▶ keys to move the cursor one space at a time.

- Note:**
- Hold down the **CODE** key and press the **TOP** key to return the cursor to the beginning of the message.
 - Hold down the **CODE** key and press the **RELOC** key to advance the cursor to the end of a message.


CLEARING THE DISPLAY


Before entering a new message, you will often need to clear an old message.

To erase the previous message from the display:

Hold down the **CODE** key and press the **CLEAR** key.

Example ● Erase any message from the display by pressing

 CODE + CLEAR/DEL .



In the following examples, we will work through a sample message, first creating it, then editing it, next printing it, and finally storing it in the machine's memory.

For the purpose of this example, suppose you are J. Smith, and you want to make a label with your name on it.

KEY OPERATIONS

CODE KEY

By holding down the **CODE** key and pushing the appropriate key, you can use the functions written in pink characters.

SHIFT KEY

By using the **SHIFT** key you can type capital letters, and symbols located on the upper part of keys. To type a capital "A", hold the **SHIFT** key down and push the "A" key. To type a "percent" sign "%" (located above the "5"), hold the **SHIFT** key down and push the "5" key.

CAPS KEY

By holding down the **CODE** key and pressing the **CAPS** key, you set the machine into CAPS mode. When this mode is entered, the CAPS indicator on the display turns on. In CAPS mode, capital letters can be typed simply by pressing the character keys. If number keys are pressed, numbers -- not the symbols above them -- result. For this reason, CAPS mode is particularly useful for creating messages containing many numerals and capital letters. To exit CAPS mode, hold down the **CODE** key and press the **CAPS** key.


ALT KEY

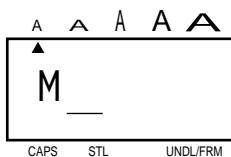
By using the **ALT** key you can type various symbols marked on the keys in green. To type a symbol located on the right side of a key, hold down the **ALT** key and press the key on which the desired symbol is marked.

INPUT

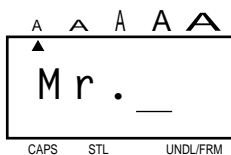
You can now use the keys to enter a message.

Example To input "Mr.":

- Press  +  to input a capital M.



- Complete "Mr." by pressing , then .



SPACE KEY

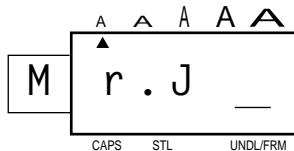
As on a typewriter, this machine's **SPACE** key lets you add a blank space into your message.

Note: The **SPACE** key and the ► key have different functions. The ► key moves the cursor forward without adding blank spaces.

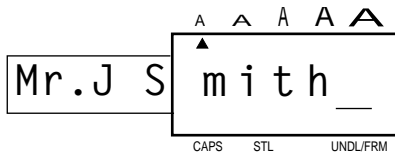
Example To complete the message "Mr. J Smith":

Enter the initial "J":

- Press **SHIFT CAPS** + **J** to input a capital J.
- Add a blank space by pressing **SPACE FEED** once.



- Complete the message by entering "Smith".



- If you make any mistakes during this input do not worry.

Simply press **CLEAR DEL** to remove the last character, and input correctly.

COMPOSITE CHARACTERS

You can create composite characters, consisting of a letter and an accent.

The accent available are ` , ´ ` and ^.

To input a composite character:

- (1) Press the appropriate keys to enter the accent you want.
- (2) Type the letter you wish to combine with it. The entered mark and character will flash alternately on the LCD display and will be printed together when you print your label.

- Note:**
- If the letter cannot be properly combined with the accent, the letter will take the place of the accent.
 - If you press the ◀ key, ▶ key, **SPACE** key, or **PRINT** key after inputting the accent, the screen will display the **ERROR** message, then return to the normal display. To continue inputting your message, you must either choose a letter that can be combined with the accent or delete the accent.

Accent	Letters which can be used	
`	a e i o u	A E I O U
´	e	E
`	a e u	A E U
^	a e i o u	A E I O U

SYMBOLS

In addition to the letters, symbols, and numerals on the key tops, there are 39 symbols available in Symbol Mode. These 39 additional symbols are arranged into 10 groups, corresponding to the numbers A to J on the keyboard.

Group No.	SYMBOLS	Group No.	SYMBOLS
A	Æ æ § ¤	F	♥ ★ ✂ 💻
B	+ × ÷ =	G	↑ ↓ → ←
C	• ® © ™	H	📖 💾 📠 ⚡
D	[] 🤝 🤝	I	☠️ 🚫 🍷 🔥
E	$\frac{1}{2}$ ° ² ³	J	♿️ 🏠 ⚡

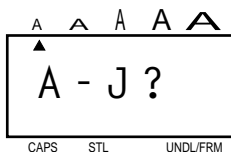
To input a symbol that is not on the key top:

- (1) Hold down the **CODE** key and press the **SYMBOL** key to enter Symbol Mode.
- (2) The display will read: "A-J?".
- (3) Press the key of the number from A to J whose group contains the symbol you want. That letter's group of symbols will be displayed.
- (4) Move the cursor to the symbol you want.
- (5) Press the **SET** key.

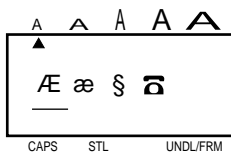
Note: ● Press the **DEL** key to exit Symbol Mode.

Example First, make sure that the cursor is located at the place where you want to add a symbol. To add a telephone symbol (☎) to the message, changing the message to "Mr. J Smith ☎":

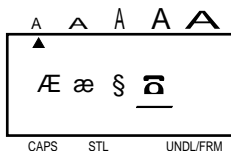
- Enter Symbol Mode by pressing CODE + ALT SYMBOL.
- The following message will be displayed:



- Press the A key, as its group includes the telephone symbol.

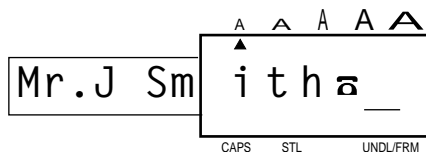


- Press ► to move the cursor under ☎.



- Push to input a **ā**.

The message should now look like this:




After a non-keyboard symbol has been entered, the machine automatically exits from Symbol Mode. If you wish to enter another symbol, you must re-enter Symbol Mode by holding down the **CODE** key and pressing the **SYMBOL** key.

EDITING A MESSAGE

DELETING

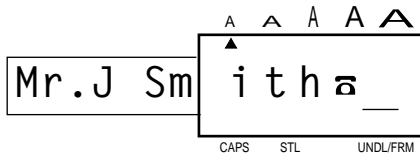
The **DELETE** key allows you to remove characters from your message.


To delete a character:

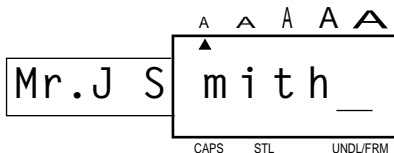
- (1) Using the ◀ and ▶ keys, position the cursor one space to the right of the character you want to delete.
- (2) Press the **DELETE** () key.

Example To delete the ☎ from the message:


- Make sure the cursor is positioned to the right of the telephone symbol.

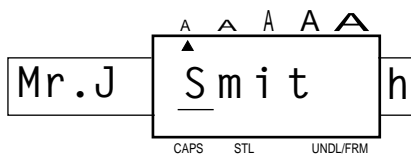



- Press  to remove the ☎.

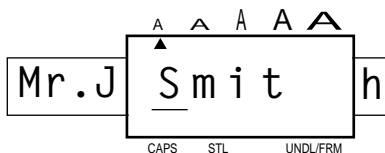



Now we will delete the blank space between the "J" and "S":

- Press  until the cursor is positioned to the right of the blank space (under the "S").



- Press  to remove the blank space.



- Press  to adjust the display in order to check that the blank space has been deleted.

WORD OUT


This function allows you to erase one word at a time, simplifying the editing of long messages.

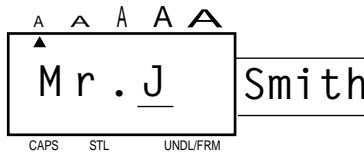
To use the **WORD OUT** function:



- (1) Position the cursor to the right of the word you want to delete.
- (2) Hold down the **CODE** key and press the **WORD OUT** key.

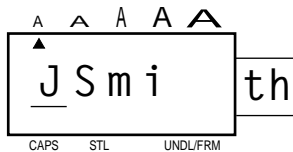
A number or word located before the cursor and after the nearest preceding space will be deleted.

Example To delete the word "Mr." from the message:

- Press  to position the cursor under "J".



- Press  +  to delete "Mr.".



OVER TYPING

The machine normally operates in Overtyping Mode. In Overtyping Mode, you can change a character simply by typing a new one in its place.

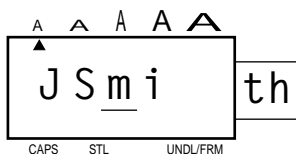
To type over a character:

- (1) Move the cursor to the character you want to change.
- (2) Press the character or symbol you want.

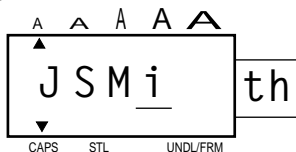
The new character replaces the old one in the message.

Example To replace the lower-case letters "mith" with capital letters:

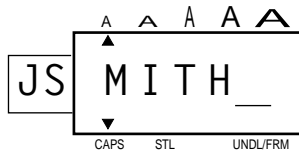
- Position the cursor under the "m".



- Switch to CAPS Mode by pressing **CODE** + **SHIFT CAPS**.
The CAPS indicator will light.
- Press the **M** key.



- Complete the process by typing the letters "ITH".



INSERTING

Sometimes you may want to insert a character into the middle of your message. To do so, you must change from Overtyping Mode to Insert Mode.

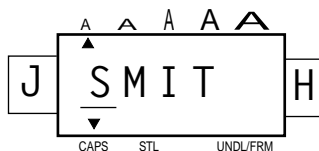
To insert characters:

- (1) Hold down the **CODE** key and press the **INSERT** key until display shows "I : ○".
- (2) Move the cursor to the position where you want to insert.
- (3) Press the keyboard character or symbol you want to add (see SYMBOLS).

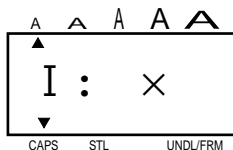
All characters following the insertion will move one space to the right.

Example To insert a period into the message, changing it to "J. SMITH":

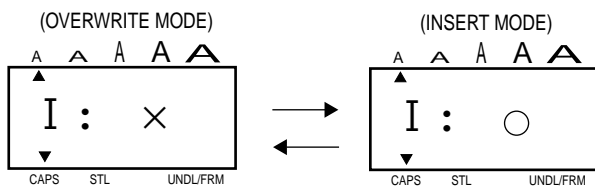
- Position the cursor under the "S".



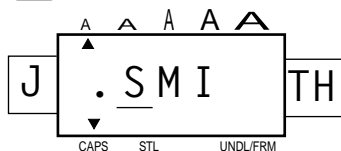
- Enter Insert Mode by pressing **CODE** + **INSERT**.
- The following display appears.



- Pressing the **INSERT** key while holding down the **CODE** key toggles between insert and overwrite mode.



- Release the **CODE** key when the display shows "I: O".
- Press the **? . ,** key.



To leave INSERT Mode:

Holding down the **CODE** key press the **INSERT** key again.

SETTING THE FORMAT

You can print your completed message using a variety of different character sizes, styles, fonts, underline/frames and tape feed settings.

Choose character size, style, underline/box and tape feed before printing the label.

Note: *The type of character you choose will be used for all the characters in your message. It is not possible to have two different character sizes or styles within one message.*

SIZE

There are five different character sizes you can select for your label:

1 - Standard Size

J.SMITH

W2 - Double Width

J.SMITH

H2 - Double Height

J.SMITH

4 - Double Width & Double Height

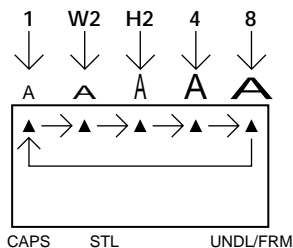
J.SMITH

8 - 4 x Width & Double Height

J.SMITH

To choose a character size:

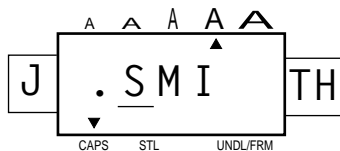
- (1) Holding down the **CODE** key, press the **SIZE** key to change the character size. The size indicator on the display advances in the order shown.



- (2) Stop pressing the **SIZE** key when your desired character size is indicated.

Example To use Double Width and Double Height (4) characters:

- Hold down **CODE** and press **SIZE** until the size indicator is aligned with the **A**.



Note: When the **BIG** font is selected, the size is fixed to the **BIG** size whatever the **SIZE** setting.

Note: *The size of the characters that can be printed are limited by the width of the tape.*

Tape width	Possible character sizes
18 mm	1, W2, H2, 4, 8, BIG
12 mm	1, W2, H2, 4, 8
9 mm	1, W2, H2, 4, 8
6 mm	1, W2

If a character size is set which is not shown in the above table for the tape width being used and the **PRINT** key is pressed, an error message will be displayed and the label cannot be printed.

BIG SIZE FONT

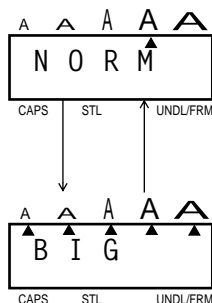
This machine has a BIG size font in addition to the normal font. The normal size font can be set at the standard size, W2 (double width), H2 (double height), 4 (double width & double height) and 8 (4 × width & double height). If the BIG size font is chosen, all other settings are cancelled.

J.SMITH

To choose the BIG size font:

- (1) Holding down the **CODE** key, press the **BIG** key. The display shows "NORM" or "BIG", whichever is the currently selected font size.
- (2) Pressing the **BIG** key while holding down the **CODE** key toggles the displays.
- (3) Release the **CODE** key when a desirable font size is selected on the display.

It will change as follows:



- Note:**
- When the BIG size font is selected, all lower case characters are printed in upper case, and the settings for SIZE, STYLE and UNDL/BOX are ignored.
 - The BIG size font can only be set when tape with a 18 mm width is used.

STYLE

There are also nine different print styles:

Normal (NORM)

J.SMITH

Italic + Outline (IT+O)

J.SMITH

Outline (OUTL)

J.SMITH

Italic + Bold (IT+B)

J.SMITH

Bold (BOLD)

J.SMITH

Italic + Shadow (IT+S)

J.SMITH

Shadow (SHAD)

J.SMITH

Vertical (VERT)

⌈ · ∞ Σ − ⊥ ∩

Italic (ITAL)

J.SMITH

To choose a print style for your label:



- (1) Holding down the **CODE** key, press the **STYLE** key once. The display will show the current print style.
- (2) Still holding down the **CODE** key, press the **STYLE** key again. The available print styles will appear in order as you press the **STYLE** key.
- (3) When the style you want is displayed, release the **CODE** key.

If you select a style other than Normal, the style indicator will be visible on the display.

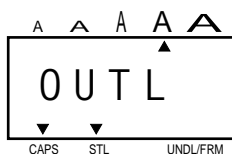
Note:

- Only Normal style characters can be printed vertically.
- Vertical printing can not be used with some tape width and character size combinations.

Example**To use Outline print:**

- Hold down .
- Press  until the display reads "OUTL".

The style indicator turns on.



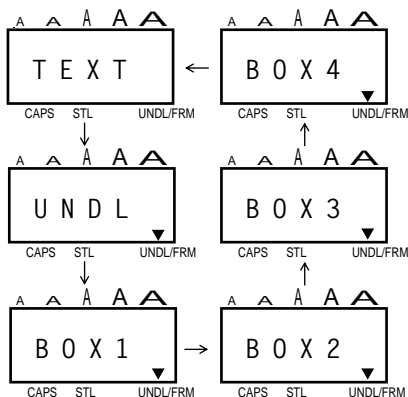
- Release .

UNDERLINE/FRAME

You can add an underline or frame text when you wish to emphasize it.

To add Underline or Box around the text.

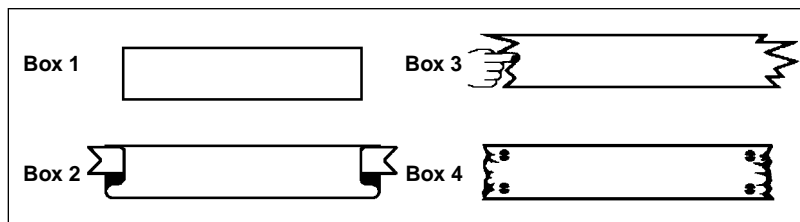
- (1) Holding down the **CODE** key, press **UNDERLINE/FRAME** (#
3) key.
 - (2) The current style will be shown on the display.
 - (3) Still holding down the **CODE** key, press **UNDL/FRM** key to change the style.
- It will change as follows:



- Note:**
- Underline & Box are not available simultaneously.
 - The underline or box will not be printed when the Vertical style or the BIG size font is selected.
 - Printing of the underline or frame are limited by the tape width and character size setting.

Tape width	Possible character sizes
18 mm	1, W2, H2, 4, 8, B , G
12 mm	1, W2, H2, 4, 8
9 mm	1, W2, H2, 4, 8
6 mm	1, W2

A triangle indicator on the display appears whether Underline or Frame is set on.



PRINTING A LABEL

PRINTING & CUTTING

After you have chosen the character size, print style and tape feed style, you are ready to print the label.

To print a label:

Press the **PRINT** key.

The printed label comes out of the tape exit slot on the side of the machine.

Press the **CODE** + **FEED** key before cutting the tape if TAPE FEED mode is set to "_", "#", "##" or "###". (Please refer to page 40.)

Example To print the message onto a label:

- Press .

A label reading "J. SMITH" written in Double Width & Double Height Outline characters will be printed.

J.SMITH

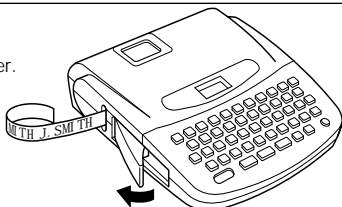
- Note:**
- Do not pull on the tape. This may damage the tape cassette.
 - Do not attempt to cut the tape during printing or feeding.

To cut the tape:

Pull out the tape cutter lever on the side of the machine.

Example To cut the label:

- Pull out the tape cutter lever.



- Note:**
- If you pull out the tape cutter lever too far, it may break.

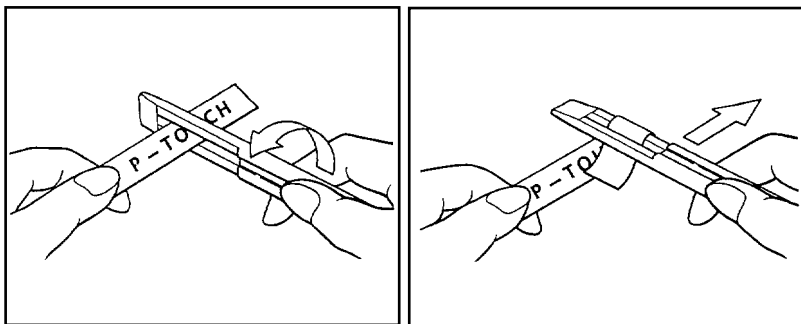
To attach the label:

Remove the label backing and attach the label at the desired position.

HOW TO REMOVE LABEL BACKING (OPTIONAL)

The lettering stick enables the label backing of the tape to be removed easily. This stick is an optional accessory.

- (1) Hold the tape in the left hand with printed surface up, and hold the stick in the right hand.
- (2) Pass the tape halfway through the long narrow hole of the stick.
- (3) After turning the stick half a turn inward, pull the stick to the right.




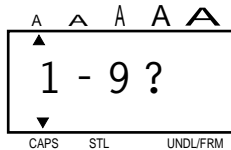
REPEAT PRINTING

The Repeat function allows you to repeatedly print the same label up to nine times.


To use the REPEAT PRINTING function:

It is recommended to set the TAPE FEED mode to "#", "##" or "###". (Please refer to page 40.)

- (1) Hold down the **CODE** key and press the **REPEAT** () key.
- (2) The following message appears on the display:



- (3) Select the number of labels you want. For example, if you want nine labels to be printed, type 9.
- (4) Press **PRINT**.
Press the **CODE** + **FEED** keys before cutting the tape if the TAPE FEED mode is set to "-", "#", "##" or "###".

Note: ● Press  before printing; the previous screen reappears.

- A maximum of nine copies can be printed.
- Cutting is not done automatically.
- Before starting a repeat print, check that there is sufficient tape in the cartridge.
- Never try to cut the tape during printing.
- Press the **ON/OFF** key immediately if the tape runs out before all the printing is finished. (striped tape will appear.)

NUMBERING


The NUMBERING function can be used to automatically increment numbers included in otherwise identical texts. For example, when printing text with a series of dates ("JULY 4, 1962"; "JULY 5, 1962"; and "JULY 6, 1962"), the auto count function will enable printing of all three texts in a single print operation.

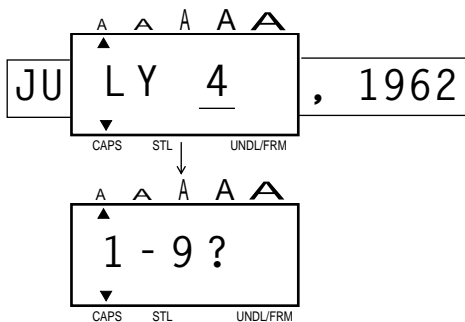
To use the AUTO COUNT function when printing:

It is recommended to set the TAPE FEED mode to "#", "##" or "###". (Please refer to page 40.)

(1) Type in message to be printed.

(2) Position the cursor beneath the number in the text to be incremented. Then

hold down the **CODE** key and press the **NUMBER**  key. The display changes as follows:



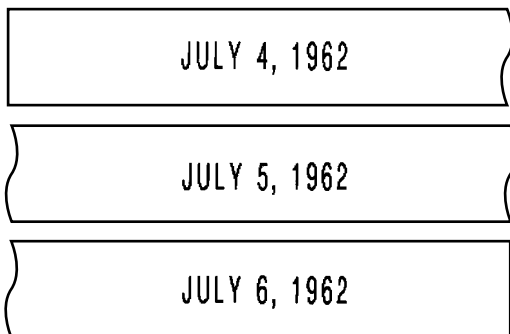
(3) The screen will prompt the selection of the last number to be printed. (In the example described above, the last number would be 6.)

(4) Press **PRINT** and the text will be printed out. Printing will be repeated, with the number specified incremented to the next number. This operation will continue until the last number is reached.

Press the **CODE** + **FEED** keys before cutting the tape if the TAPE FEED mode is set to "-", "##", "###" or "####".

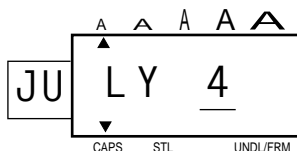
- Note:**
- Before printing, you can press the **DELETE** key to erase the number you have entered. Pressing **DELETE** again will exit the NUMBERING mode.
 - The last number to be printed must be selected from within the range 1-9.
 - If you enter a number that is lower than the one originally entered in the text, printing will be disabled, and an "ERR" (ERROR) message will appear on the display if you press the **PRINT** key.

- Numbers are always incremented one at a time.
- If the battery becomes weak during a NUMBERING operation, the operation will be interrupted.

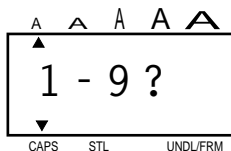


Example To use the NUMBERING function:

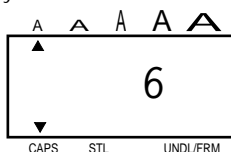
- Position the cursor beneath the number in the text to be incremented.



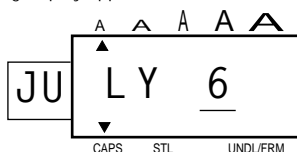
- Hold down the **CODE** key and press the **NUMBER** key. The display changes as follows:



- Press numeric key “6”.



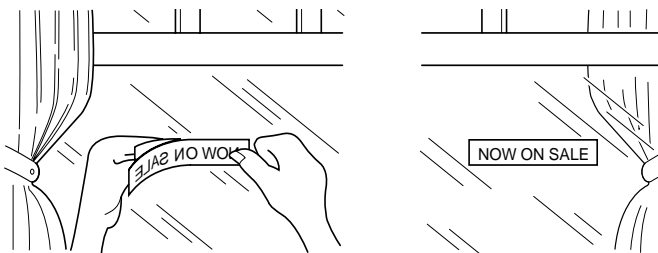
- Press **PRINT MIRROR**. Your text will be printed out.
- The number will automatically be incremented by one, and the text will be printed out again.
- The printing operation will be repeated until the number you selected as the last number has been printed out. When printing has completed, the following display appears.



MIRROR PRINTING




For this application, tape with a clear adhesive must be used.

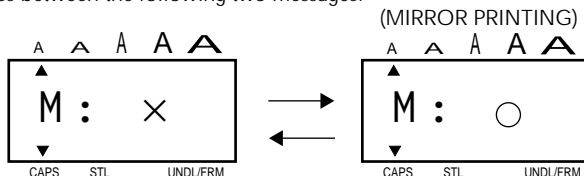
When the Mirror Printing function is used, characters are printed so as to be legible from the adhesive side of the tape. If the labels are then attached to glass or some other transparent material, they can be read correctly from the opposite side. This type of label is particularly useful for attachment to the inside of shop windows or clear notebooks, so that it can be read from the outside. For this application, transparent tape must be used.





Mirror-printed labels attached inside the window can be read from the street.

To use Mirror Printing:

- (1) Holding down the **CODE** key, press the **MIRROR** () key.
- (2) The current print mode (M:  or M: ) appears on the display.
- (3) Still holding down the **CODE** key, press the **MIRROR** key again. The display changes between the following two messages:



- (4) If you want to use Mirror Printing, release the **CODE** key when "M:  " is displayed. To use regular printing, release the **CODE** key when "M:  " is displayed.

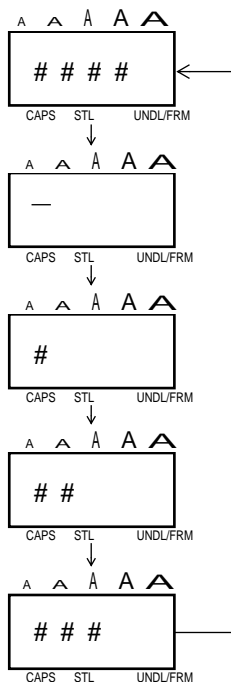
Note: The Mirror Printing function automatically turns off when the machine is turned off. If you want to use Mirror Printing again after the power has been turned off, you must turn on the Mirror Printing function again.

TAPE FEED

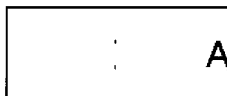
The tape feed function can be used to leave equal margins on the left and right sides of the label. The margins can be set to any of the following four widths: 4 mm, 8 mm, 12 mm or 24 mm. When continuously printing labels, the labels can be printed without extra margins. In addition, this function is very convenient when printing more than one label with multiple styles while changing the styles each time a label is printed.

To change the TAPE FEED Mode:

- (1) Press and hold down the **CODE** key, then press the **TAPE** key.
- (2) The current feed mode appears on the display.
- (3) While still holding down the **CODE** key, press the **TAPE** key again. The display changes as shown below.



Note: When “-”, “#”, “##” or “###” is set, press CODE + SPACE FEED to feed the tape after the label is printed and before the tape is cut. If the tape is not fed before being cut, some of the printed characters may be cut off. (See the illustrations below.)

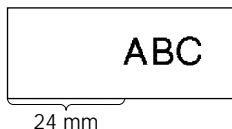


Example

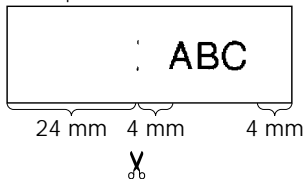
- When “####” is set, the tape is automatically fed 24 mm after the label is printed. If the tape is cut without being fed, a label like that shown in the illustration below is produced.



- When “-” is set, the tape is not automatically fed after the label is printed. If CODE + SPACE FEED is pressed to feed the tape and the tape is cut, a label like that shown in the illustration below is produced.



- When “#” is set, 4 mm of the tape is automatically fed after the label is printed. If CODE + SPACE FEED is pressed to feed the tape and the tape is cut, a label like that shown in the illustration below is produced. Please cut the tape on the “.” mark with scissors.

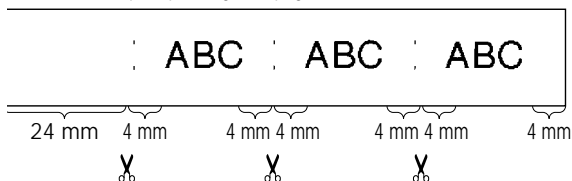


If the tape is cut at the cutline, the text is centered in the middle of the label. The tape is automatically fed 8 mm when "## " is set, and 12 mm when "### " is set.

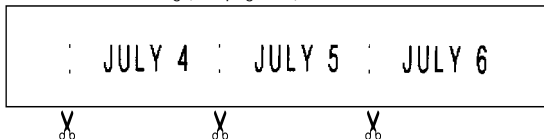
- Continuous printing

When "# " is set and three labels are printed continuously, the tape is fed and a label like that shown in the illustration below is produced. If "## " or "### " is set, the labels are printed with the appropriate margin widths. Please cut the tape on the ":" mark with scissors.

1. Repeat printing (See page 35.)



2. Numbering (See page 36.)



- Printing with different styles

When "- " is set, different styles can be used to print one label since the tape is not fed after a label is printed, different characters can be entered and the style can be changed. If the new label is printed, it will continue printing from the point where the first label stopped. After the whole label is printed, feed and cut the tape.

MR. J.SMITH MANAGER

PHRASE MEMORY OPERATION

PHRASE MEMORY

You can use the Phrase Memory function to store your most frequently used messages. Text stored in the Phrase Memory will not be deleted by the usual message clear operation (**CODE + CLEAR**).

You can easily recall your message from this Phrase Memory any time you want to work with it.

MEMORY SIZE

In the Message Phrase you can store up to a total of 300 characters. These 300 characters can be divided into as many as nine areas.

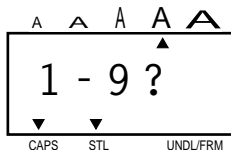
The maximum capacity for any single area is 55 characters.

Note: *When replacing batteries, do so in three minutes or less. Otherwise, unless an optional AC Adaptor is attached, any message in the working area or Phrase Memory will be lost.*

STORING THE MESSAGE

To store the currently displayed message in the PHRASE MEMORY:

- (1) Type message to be stored.
- (2) Hold down the **CODE** key and press the **STORE** key.
- (3) The display will read:



- (4) Press a key from 1 to 9 to select a storage area.
- (5) Your message is stored in the memory area you selected, and the display clears.

If the area you select is already being used, an error message will briefly appear, and then the display will again ask you to choose an area. In that event, please select a different number from 1 to 9.

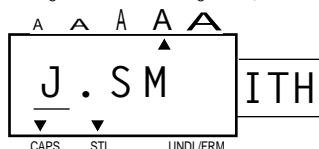
If all nine areas are being used, you must clear one of them before you can store your current message.

Also, when 300 characters are already stored in the Phrase Memory and you try to store more, the message "FULL" will appear on the display. You must delete one of the memory areas before you can store your current message.

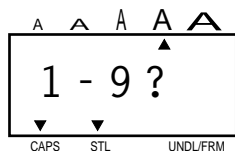
See DELETING THE MESSAGE MEMORY.

Example To store the message "J. SMITH" in the Phrase Memory:

- Make sure the message is in the working area (on the display).



- Press **CODE** + **STORE & 7**. The following guidance message appears on the display:



- Press a number key from 1 to 9.
This time for example, press 1.

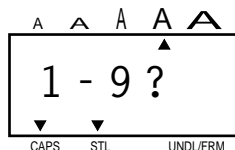
The message is stored in the Phrase Memory.

Note: Before you enter an area number you can cancel storage by pressing **CLEAR DEL**.

RECALLING FROM PHRASE MEMORY

To recall a message stored in one of the nine PHRASE MEMORY areas:

- (1) Holding down the **CODE** key, press the **RECALL** key.
- (2) The display will read:

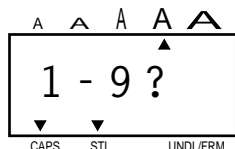


- (3) Select the number of the area you want to recall, and press it.
- (4) The key number and the beginning of the message appear on the display.
If you selected the wrong number, you can now press a new number key (1-9) to display the correct phrase.
- (5) When your desired message is on the screen, press the **SET** key.
- (6) The Phrase Memory you select is recalled into the working area for use.

- Note:**
- The character size, print style, and underline/box that are recalled are the same as those that were saved with the text.
 - When a message is recalled from the PHRASE MEMORY, any message currently on the display is cleared.

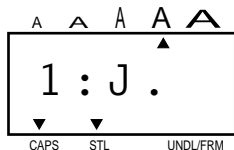
Example To recall "J. SMITH" from the Phrase Memory:

- Press **CODE** + **RECALL** (8). The following guidance message appears on the display:

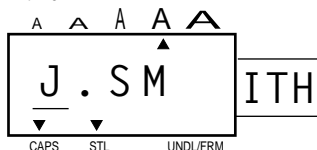


- Press 1, since you stored your message in area 1.

The stored message appears on the display, along with its area number.



- Press . The message is moved to the working area and remains on the display.



- You can see the current printing information on the display for STL, UNDL/FRM and the SIZE and BIG size settings.
- You can check the style (UNDL/FRM) by pressing the +
 UNDL/FRM

 3 (UNDL/FRM).
- Now you can print or edit the message.

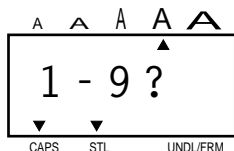
Note: Before you press , you can cancel recall by pressing



DELETING THE PHRASE MEMORY

To delete an area of **PHRASE MEMORY**:

- (1) Hold down the **CODE** key and press the **M.DEL** key. The following message appears on the display:



- (2) Select the number key (1-9) of the memory area you want to delete, and press it.

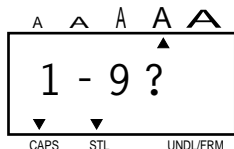
The key number and the beginning of the message appear on the display.

If you accidentally selected the wrong number, you can press another number key (1-9) to display the correct phrase.

- (3) When your desired message is on the screen, press the **SET** key.
- (4) The Phrase Memory area is cleared and the message previously in the working area reappears on the display.

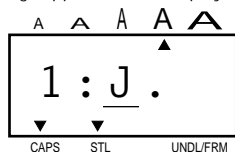
Example To delete "J. SMITH" from the Phrase Memory:

- Press CODE + M.DEL
(
9). The following guidance appears on the display:



To delete Phrase Memory

- Press 1.
The stored message appears on the display.



- Press . The message is deleted from the memory. The message previously in the working area (in this case, the same "J. SMITH") appears on the display.

Note: Before you press you can cancel deletion by pressing



Now you can use the cleared memory area "1" to store another message.

MESSAGE LIST

ERR	Input error. The selected tape type is incorrect.
BATT	The batteries are weak.
BATT	The batteries are empty
FULL	The working area is full (max: 55 characters) or the Phrase Memory is full (see page 43).
NORM	See page 29.
OUTL	
BOLD	
SHAD	
ITAL	
IT+O	
IT+B	
IT+S	
VERT	
A-J?	See page 16.
1-9?	See page 35, 36, 43, 45, 47.
BIG	The BIG size font is selected.
####	See page 40.
-	
#	
##	
###	
M: ○	Mirror printing.
M: ×	Cancels mirror printing.
TEXT	Prints without underline/frame.
UNDL	Underlines characters.
BOX 1	Frame characters.
BOX 2	
BOX 3	
BOX 4	
I : ○	Insert Mode is ON.
I : ×	Insert Mode is OFF.

TROUBLESHOOTING

Problem	What to Do
1. The display stays blank after you have turned on the machine.	<ul style="list-style-type: none">● Check the polarity of the batteries.● If the batteries are low, replace them.● Check that the adaptor is working properly.
2. The machine does not print, or the printed characters are blurred.	<ul style="list-style-type: none">● Check that the tape cassette has been inserted properly.● If the tape cassette is empty, replace it with a new one.● Check that the character size is appropriate for the width of the tape that is used.
3. The printed characters are not formed properly.	<ul style="list-style-type: none">● The batteries are probably weak. Replace them.
4. The tape cannot be cut.	<ul style="list-style-type: none">● The cutting blade is probably dull. Replace the cutter unit.
5. Striped tape appears.	<ul style="list-style-type: none">● You have reached the end of the tape. Replace it with a new tape.
6. The memory has cleared on its own.	<ul style="list-style-type: none">● The batteries are probably weak. Replace them.
7. An unprinted line appears on a label.	<ul style="list-style-type: none">● There may be some dust on the print head. Wipe the print head gently with a dry cotton swab.● If dust still remains, dip the cotton swab in isopropyl (rubbing) alcohol and wipe the print head again.

SPECIFICATIONS

Input Device:	49 keys (39 character keys and 10 function keys)
Print Speed:	10 mm/sec.
Character Size:	Standard Size (1) Double Width (W2) Double Height (H2) Double Width & Double Height (4) 4 x Width & Double Height (8) BIG SIZE (ALL INDICATORS ON, STYLE FIXED, NO UNDERLINE/FRAME)
Internal Character:	Font: HELSINKI
Print Tape:	Pressure-sensitive adhesive-based (TZ TAPE ONLY) 18 mm (W) × 8 m (L) 12 mm (W) × 8 m (L) 9 mm (W) × 8 m (L) 6 mm (W) × 8 m (L)
LCD:	7 x 5 dots 1 line x 4 columns
Power Supply:	Batteries (AA/SUM-3/AM3/R6/LR6) or optional AC Adaptor. (AD-30:7V 1.2A) Alkaline batteries are recommended. The power automatically turns off when no key is pushed for five minutes.
Dimensions:	174 mm (W) × 200 mm (D) × 50 mm (H)
Weight:	0.65 kg (without batteries)
Memory Buffer Size:	55 characters
Phrase Memory Size:	300 characters maximum 9 available storage areas

ACCESSORIES

Obtain tape cassettes from your nearest authorized dealer.

Use only Brother TZ tapes with this machine. Brother cannot be held responsible for trouble caused by the use of unauthorized supplies. Do not use tapes that do

not have the  mark.

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4")			
TZ141	Black Characters on Clear Tape	1	\$22.99
TZM41	Black Characters on Clear (Mat) Tape	1	\$24.99
TZ241	Black Characters on White Tape	1	\$24.99
TZ641	Black Characters on Yellow Tape	1	\$24.99
TZB41	Black Characters on Flu. Orange Tape	1	\$29.99
TZ242	Red Characters on White Tape	1	\$24.99
TZ243	Blue Characters on White Tape	1	\$24.99
TZ344	Gold Characters on Black Tape	1	\$28.99
TZ345	White Characters on Black Tape	1	\$28.99
TZ545	White Characters on Blue Tape	1	\$28.99
12 mm (1/2")			
TZ131	Black Characters on Clear Tape	1	\$19.99
TZ231	Black Characters on White Tape	1	\$20.99
TZM31	Black Characters on Clear (Mat) Tape	1	\$20.99
TZ431	Black Characters on Red Tape	1	\$20.99
TZ531	Black Characters on Blue Tape	1	\$20.99
TZ631	Black Characters on Yellow Tape	1	\$20.99
TZ731	Black Characters on Green Tape	1	\$20.99
TZ132	Red Characters on Clear Tape	1	\$19.99
TZ232	Red Characters on White Tape	1	\$20.99
TZ133	Blue Characters on Clear Tape	1	\$19.99
TZ233	Blue Characters on White Tape	1	\$20.99
TZ334	Gold Characters on Black Tape	1	\$24.99
TZ335	White Characters on Black Tape	1	\$24.99
TZ435	White Characters on Red Tape	1	\$24.99

Stock No.	Description	QTY/ PACKAGE	PRICE
9 mm (3/8")			
TZ121	Black Characters on Clear Tape	1	\$16.99
TZ221	Black Characters on White Tape	1	\$19.99
TZ222	Red Characters on White Tape	1	\$19.99
TZ223	Blue Characters on White Tape	1	\$19.99
TZ325	White Characters on Black Tape	1	\$22.99
6 mm (1/4")			
TZ111	Black Characters on Clear Tape	1	\$14.99
TZ211	Black Characters on White Tape	1	\$16.99
TZ315	White Characters on Black Tape	1	\$20.99

Non-laminated tapes

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4")			
TZN641	Black Characters on Yellow Tape	1	\$21.99
TZN541	Black Characters on Blue Tape	1	\$21.99
TZNF41	Black Characters on Purple Tape	1	\$21.99
12 mm (1/2")			
TZN631	Black Characters on Yellow Tape	1	\$17.99
TZN531	Black Characters on Blue Tape	1	\$17.99
TZNF31	Black Characters on Purple Tape	1	\$17.99

Instant lettering tape

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4")			
TZL041	Black Characters	1	\$24.99

Iron on transfer tape

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4")			
TZIY41	Black Characters	1	\$31.99

Security tape

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4")			
TZSE4	Black Characters on White Tape	1	\$49.95

Fabric tape

Stock No.	Description	QTY/ PACKAGE	PRICE
12 mm (1/2")			
TZFA3	Blue Characters on White Tape	1	\$34.95

Stamp kit/holder

Stock No.	Description	QTY/ PACKAGE	PRICE
18 mm (3/4") Stamp Area -9 × 55 mm			
SKMB	MEDIUM Stamp Kit (Stamp holder + Tape cassette)	1	\$49.95
SHMB	MEDIUM Stamp Holder	1	\$24.95

Option

Stock No.	Description	QTY/ PACKAGE	PRICE
AD-30	AC Adapter	1	\$29.95
TR9	Lettering Stick	1	\$2.99

ACCESSORY ORDER FORM

This order form is provided for your convenience should your retailer not stock the item(s) needed or if you prefer to order by telephone. To order by phone, please call Brother International at 1-800-668-2768 and have your Visa or MasterCard available.

Stock No.	Description	Price	Quantity	Total
TOTAL				

Prices subject to change without notice.

Before calling:

1. Review the reverse side of this form and select the desired items.
2. Complete the order form, indicating the quantity of each item (for your records).
3. Enter the total on the "Supply/Accessory Total" line below (for your records).
4. Add appropriate sales tax and shipping/handling costs (for your records).
5. Have your Visa or MasterCard number and expiration date available.

Supply/Accessory Total

\$

All Residents of Canada: Please add applicable sales taxes (G.S.T. & P.S.T.)

G.S.T	\$
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P.S.T.	\$
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Shipping/Handling

\$5.00

TOTAL DUE

\$

G.S.T. # R100663764

P.S.T. # 100100117TQ0001

* Pricing subject to change without notice.

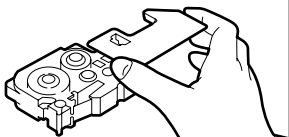


* NOTE *

• Please read this notice carefully before starting.

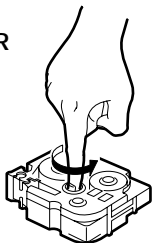
To insert a new tape cartridge

- REMOVE THE STOPPER.

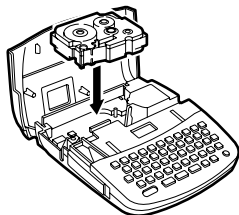


- SOME TAPE CASSETTES ARE NOT PROVIDED WITH A STOPPER.

- USE YOUR FINGER TO TIGHTEN THE RIBBON.

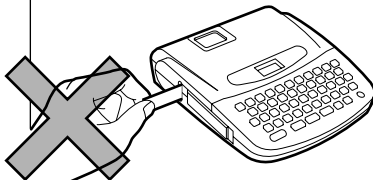


- INSTALL AND PRESS CODE+FEED.

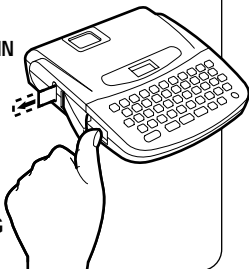


Cutting tape

- DO NOT PULL TAPE TO ADVANCE IT.



- TO CUT TAPE, USE THE BUILT-IN CUTTER LEVER. UNDER NO CIRCUMSTANCES ATTEMPT TO CUT THE TAPE WHILE PRINTING OR FEEDING.



AC adaptor connection

- USE THE AC ADAPTOR DESIGNED EXCLUSIVELY FOR THIS MACHINE.

